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(54) OPTICAL FIBER CONNECTION AND ITS USAGE



PROBLEM TO BE SOLVED: To provide an improved assembly for joining between a horizontal optical fiber cable and a vertical optoelectronic die.

SOLUTION: A package is provided in which an optical fiber cable of 12-channel width is joined to a 12-channel vertical resonator type surface emitting laser(VCSEL) transmitter and a multichannel perpendicularly aligned integrated die(PAID) receiver. According to this package, the height of an assembly package may be lowered by vertically facing a certain die that is parallel to the optical fiber cable and by horizontally facing a certain other die. In this assembly, a vertical optoelectronic die may be vertically connected to a horizontal laminate through a flexible circuit.

